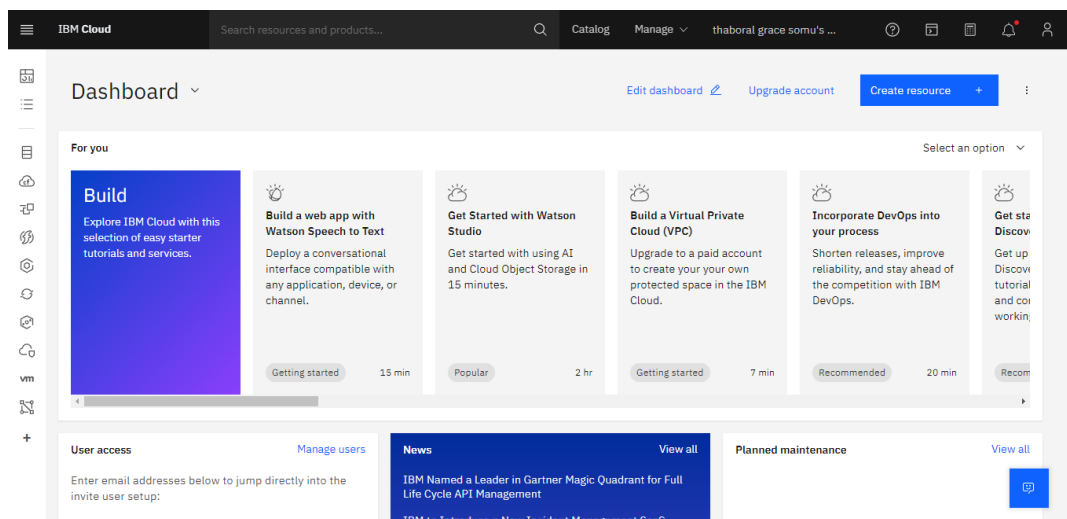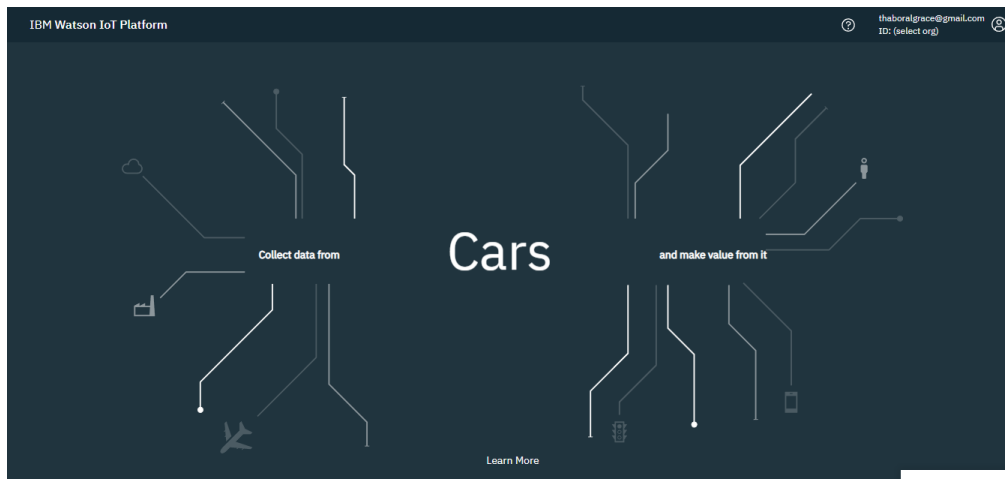| Team id	PNT2022TMID27750
Project name	Project- IOT Based Safety Gadget for Child Safety Monitoring and Notification.
Team members	Vaishnavi.L Thaboral grace.S Sowmya.P Catherine devakiruba.P

Sprint-2

Aim: To create and configure ibm cloud services
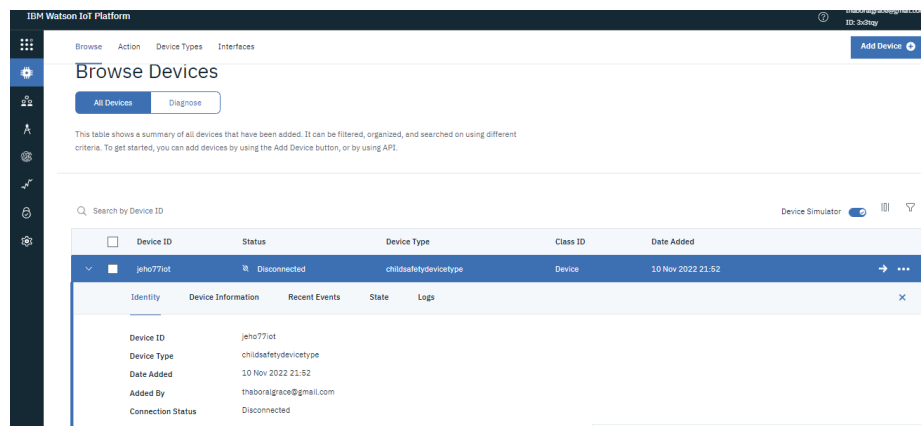
Step1-

create ibm cloud accound

step 2:

sign in to ibm watson iot platform

step 3:

For the purpose of connecting the iot gadget to cloud and getting values from gadget create device credentials

 Step 4:

Integrate python code with ibm Watson platform


```python
import json
import wiotp.sdk.device
import time
myConfig ={
"identity":{
"orgId": "3x3tqy",
"typeId":"childsafetydevicetype",
"deviceId":"jeho77iot"
},
"auth":{
"token":"HiO5Z&Js+k03jLMMM5"
}
}
client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()
while True:
 name="locater"
 #in area location
 #latitude=13.145997614532394
 #longitude=80.0619303452179
 #out area location
 latitude=13.15412
 longitude=80.05729

 myData={'name':name, 'lat':latitude, 'lon':longitude}
 client.publishEvent(eventId="status", msgFormat="json",
data=myData, qos=0, onPublish=None)
 print("Data published to IBM Iot platform: ",myData)
 time.sleep(2)

client.disconnect()
```



```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:/Users/Home/AppData/Local/Programs/Python/Python37-32/jeho.py ==
2022-11-18 15:12:42,025   wiotp.sdk.device.client.DeviceClient   INFO   Connected successfully: d:3x3tqy:chi
orm:
   {'name': 'locater', 'lat': 13.15412, 'lon': 80.05729}
Data published to IBM Iot platform:  {'name': 'locater', 'lat': 13.15412, 'lon': 80.05729}
Data published to IBM Iot platform:  {'name': 'locater', 'lat': 13.15412, 'lon': 80.05729}
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Data published to IBM Iot platform:  {'name': 'locater', 'lat': 13.15412, 'lon': 80.05729}
```

Browse   Action   Device Types   Interfaces

Add Device ⊕

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"name":"locater","lat":13.15412,"lon":80.05729}	json	a few seconds ago
event_1	{"distance":16}	json	a few seconds ago
status	{"name":"locater","lat":13.15412,"lon":80.05729}	json	a few seconds ago
event_1	{"distance":37}	json	a few seconds ago
status	{"name":"locater","lat":13.15412,"lon":80.05729}	json	a few seconds ago

---

Browse   Action   Device Types   Interfaces

Add Device ⊕

		Device ID	Status	Device Type	Class ID	Date Added		
⌄	☐	Vaishu	🟢 Connected	Childsafetygadget	Device	11 Nov 2022 16:31	→	⋯

Identity   Device Information   Recent Events   State   Logs   ✕

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"name":"locater","lat":13.15412,"lon":80.05729}	json	a few seconds ago
status	{"name":"locater","lat":13.15412,"lon":80.05729}	json	a few seconds ago
status	{"name":"locater","lat":13.15412,"lon":80.05729}	json	a few seconds ago
status	{"name":"locater","lat":13.15412,"lon":80.05729}	json	a few seconds ago
status	{"name":"locater","lat":13.15412,"lon":80.05729}	json	a few seconds ago